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WATER SUPPLY OUTLOOK FOR NEVADA

Prepared by

U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

**NEVADA DEPARTMENT of CONSERVATION and NATURAL RESOURCES
DIVISION of WATER RESOURCES**

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed on the last page of this report.

AS OF
APR. 1, 1973

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on a measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

| STATE | ADDRESS |
|--------------------|---|
| Alaska | 204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501 |
| Arizona | 6029 Federal Building, Phoenix, Arizona 85025 |
| Colorado (N. Mex.) | P. O. Box 17107, Denver, Colorado 80217 |
| Idaho | Room 345, 304 N. 8th. St., Boise, Idaho 83702 |
| Montana | P. O. Box 970, Bozeman, Montana 59715 |
| Nevada | P. O. Box 4850, Reno Nevada 89505 |
| Oregon | 1218 S. W. Washington St., Portland, Oregon 97205 |
| Utah | 4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84111 |
| Washington | 360 U.S. Court House, Spokane, Washington 99201 |
| Wyoming | P. O. Box 2440, Casper, Wyoming 82601 |

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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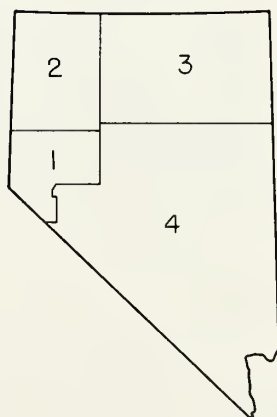
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DETAILED WATER SUPPLY OUTLOOK BY MAJOR AREAS:

| | |
|---|--------|
| Truckee, Carson, and Walker Watersheds..... | Area 1 |
| Surprise Valley, California, and Northwest Nevada | Area 2 |
| Humboldt and Owyhee Watersheds..... | Area 3 |
| East Central and Southern Nevada | Area 4 |

LIST OF COOPERATORSInside Back Cover

ALL AVERAGES ARE FOR 1953-67 PERIOD



AREA LOCATIONS

WATER SUPPLY OUTLOOK FOR NEVADA

NEVADA'S APRIL 1, 1973, WATER SUPPLY OUTLOOK RANGES FROM ABOVE AVERAGE IN THE NORTH TO EXCELLENT IN THE SOUTH. THIS YEAR'S MOUNTAIN SNOWPACK IS ABOVE AVERAGE ON EVERY WATERSHED IN OR AFFECTING THE STATE'S WATER SUPPLY.

SNOW COVER IN THE TRUCKEE, CARSON AND WALKER WATERSHEDS IS GENERALLY 20 TO 30 PERCENT ABOVE NORMAL. THE HUMBOLDT WATERSHED IS SIMILAR, WITH 125 TO 135 PERCENT OF AVERAGE SNOWPACK. THE CURRENT SNOWPACK IN CENTRAL AND SOUTHERN NEVADA IS EXTREMELY HEAVY, WITH THE DEEPEST SNOW COVER OF RECORD IN THE AUSTIN AREA.

RESERVOIR STORAGE REMAINS EXCELLENT, WITH MAJOR RESERVOIRS IMPOUNDING 137 PERCENT OF THE USUAL CARRYOVER STORAGE.

Snow cover throughout Nevada is above average. The northern part of the state has 10 to 35 percent above average snowpack, while the central and southern portions have 150 to 400 percent of normal snow conditions.

The east slope of the Sierra range currently has a snowpack varying from 121 percent in the Lake Tahoe drainage to 135 percent in the Walker River watershed. The Carson River watershed has a similar snowpack at 130 percent. Snow conditions in the Humboldt River watershed are similar, with a 135 percent of average snowpack. The snowpack in the Owyhee River drainage came up from last month to 115 percent of normal at this time.

The mountain snowpack in central and southern Nevada is one of the heaviest on record. The mountain watershed above Austin is buried beneath the deepest snowpack ever recorded since records began in 1941. Snow depths in the Ely area are 145 percent of normal. This year's snow cover on Mt. Charleston near Las Vegas is also one of the deepest on record, averaging 286 percent of normal.

Reservoir storage in Nevada's major irrigation reservoirs is currently 137 percent of average. This is 93 percent of the amount held in storage at this time last year. Rye Patch Reservoir on the Humboldt is completely full and storing above normal capacity on flash boards; Wild Horse is filling and only 11,000 acre-feet below capacity.

Carryover storage in the Truckee and Carson drainages is currently 126 percent of average. Topaz and Bridgeport Reservoirs on the Walker drainage contain 87 percent of average storage. This is only 10,000 acre-feet short of average storage, however.

Streamflow forecasts range from a low of 107 percent on the Marys River, a tributary of the Humboldt, to a high of 237 percent on the Virgin River in southern Nevada.

The Truckee, Carson and Walker Rivers are generally forecast to flow 115 to 130 percent of average this summer. Forecasts in the Humboldt drainage range from 107 to 144 percent, with the Humboldt at Palisade expected to produce 136 percent of normal streamflow this year. The Owyhee and Salmon Falls Creek drainages are similar, with 16 to 30 percent greater than normal flows expected.

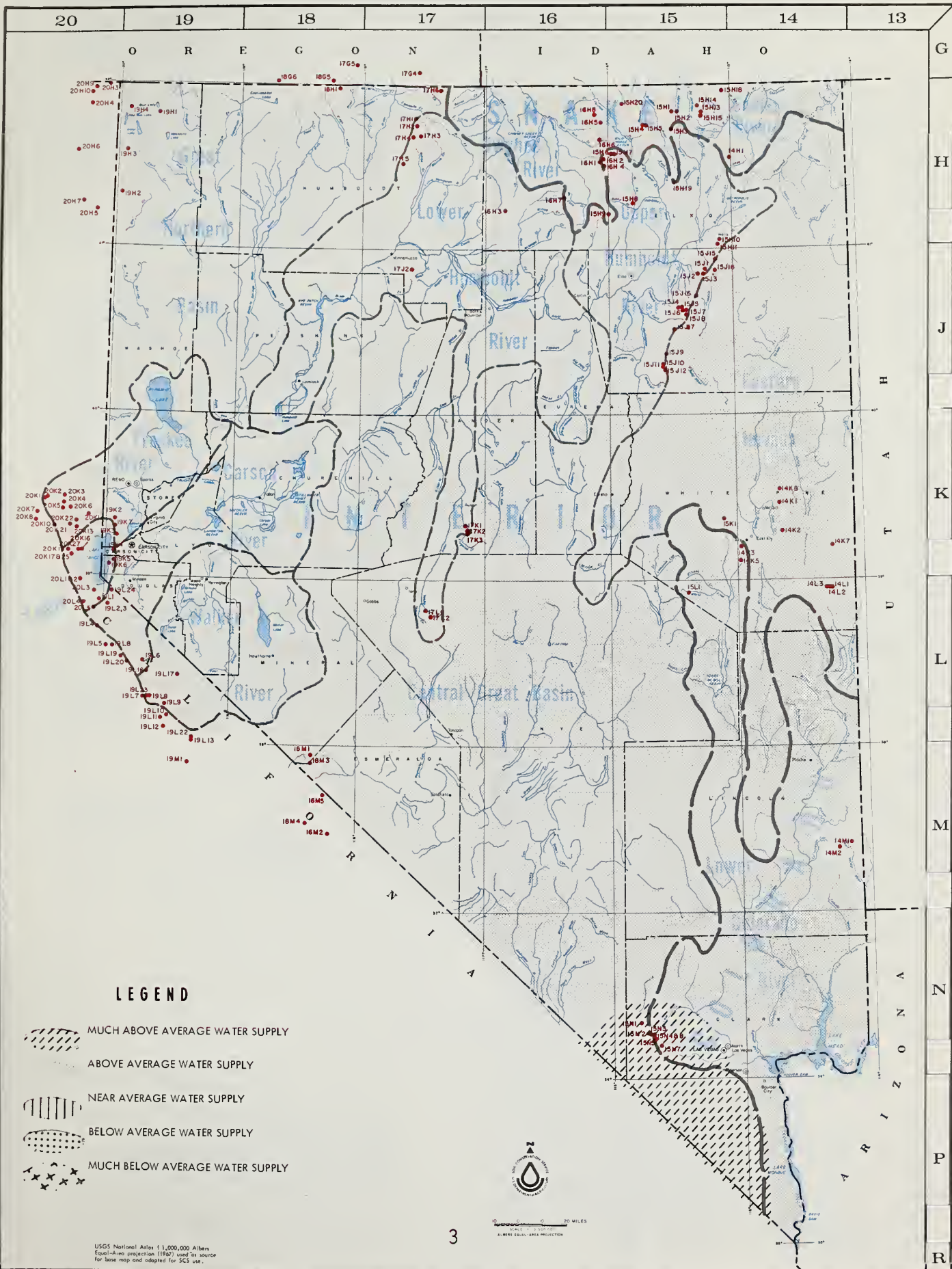
The Surprise Valley area will also have above average streamflow with forecasts generally 10 to 40 percent above normal.

Streams in central and eastern Nevada will produce above average to excellent flows this spring and summer, and irrigation interests should have the best supply since 1969 in this area.

Considering the above average snowpack, along with the favorable reservoir storage, Nevada water users will generally have a very good water supply for the coming irrigation season.



PROSPECTIVE WATER SUPPLY FOR NEVADA



INDEX TO NEVADA SNOW COURSES (By Basins)

Refer to the map on the preceeding page for Snow Course locations.

| NUMBER | NAME | SEC. | TWP. | RGE. | ELEV. |
|--------------------------|---------------------------|------|------|------|-------|
| SNAKE RIVER BASIN | | | | | |
| SNAKE RIVER | | | | | |
| 15H1MA | Bear Creek | 31 | 46N | 58E | 7800 |
| 15H2 | Fox Creek | 33 | 46N | 58E | 6800 |
| 15H13A | Goat Creek | 31 | 46N | 60E | 8800 |
| 15H15A | Hummingbird Springs | 6 | 45N | 60E | 8945 |
| 14H1 | Jakes Creek | 6 | 42N | 62E | 7000 |
| 15H20a | Merritt Mountain | 10 | 46N | 54E | 7000 |
| 15H14A | Pole Creek Ranger Station | 13 | 46N | 59E | 8330 |
| 15H18a | Red Point | 15 | 47N | 61E | 7940 |
| 15H3A | 76 Creek | 6 | 44N | 58E | 7100 |
| 15H19a | Stag Mountain | 29 | 41N | 58E | 7800 |

| | | | | | |
|---------------------|----------------------|----|-----|-----|------|
| OWYHEE RIVER | | | | | |
| 15H4MP | Big Bend | 30 | 45N | 56E | 6700 |
| 16H6a | Columbia Basin | 31 | 44N | 53E | 6650 |
| 16H8a | Fawn Creek | 2 | 45N | 52E | 7000 |
| 15H5 | Gold Creek | 32 | 45N | 56E | 6600 |
| 16H1M | Jack Creek, Lower | 18 | 42N | 53E | 6800 |
| 16H2A | Jack Creek, Upper | 9 | 42N | 53E | 7250 |
| 16H4 | Jacks Peak | 28 | 42N | 53E | 8420 |
| 16H5 | Laurel Draw | 20 | 45N | 53E | 6700 |
| 17G4a | Louse Canyon (Oreg.) | 27 | 40S | 44E | 6440 |
| 15H9MP | Taylor Canyon | 35 | 39N | 53E | 6200 |

INTERIOR

| | | | | | |
|-----------------------------|--------------------|----|-----|-----|------|
| UPPER HUMBOLDT RIVER | | | | | |
| 15J17a | American Beauty | 32 | 31N | 58E | 7800 |
| 15J12A | Corral Canyon | 27 | 28N | 57E | 8500 |
| 15J1MP | Dorsey Basin | 28 | 35N | 60E | 8100 |
| 15J3 | Ory Creek | 5 | 34N | 60E | 6500 |
| 15H7 | Fry Canyon | 31 | 43N | 54E | 6700 |
| 15J9MP | Green Mountain | 23 | 29N | 57E | 8000 |
| 15J10 | Harrison Pass #1 | 9 | 28N | 57E | 6600 |
| 15J11 | Harrison Pass #2 | 16 | 28N | 57E | 7400 |
| 15J4 | Lamoille #1 | 15 | 32N | 58E | 7100 |
| 15J5 | Lamoille #2 | 14 | 32N | 58E | 7200 |
| 15J6M | Lamoille #3 | 24 | 32N | 58E | 7700 |
| 15J7 | Lamoille #4 | 19 | 32N | 59E | 8000 |
| 15J8P | Lamoille #5 | 31 | 32N | 59E | 8700 |
| 15J18a | Pole Canyon | 31 | 35N | 61E | 9140 |
| 15J16a | Robinson Lake | 23 | 33N | 59E | 9200 |
| 15H6MP | Roded Flat | 36 | 43N | 53E | 6800 |
| 15J2 | Ryan Ranch | 1 | 34N | 59E | 5800 |
| 15H8 | Tremewan Ranch | 9 | 39N | 55E | 5700 |
| 15H10P | Trout Creek, Lower | 28 | 37N | 61E | 6900 |
| 15H11A | Trout Creek, Upper | 4 | 36N | 61E | 8500 |

| | | | | | |
|-----------------------------|-----------------------|----|-----|-----|------|
| LOWER HUMBOLDT RIVER | | | | | |
| 17K1 | Big Creek Camp Ground | 10 | 17N | 43E | 6600 |
| 17K2 | Big Creek Mine | 23 | 17N | 43E | 7600 |
| 17K3 | Big Creek, Upper | 26 | 17N | 43E | 7800 |
| 17H2 | Bucks skin, Lower | 25 | 45N | 39E | 6700 |
| 17H1 | Bucks skin, Upper | 11 | 45N | 39E | 8200 |
| 17L1 | Corral, Lower | 12 | 11N | 40E | 7500 |
| 17L2 | Corral, Upper | 20 | 11N | 41E | 8000 |
| 17J2 | Golconda #2 | 22 | 35N | 39E | 6000 |
| 17H4 | Granite Peak | 22 | 44N | 39E | 7800 |
| 17H5 | Lance Creek | 13 | 42N | 38E | 6000 |
| 17H3 | Martin Creek | 18 | 44N | 40E | 6700 |
| 16H3AP | Midas | 18 | 39N | 46E | 7200 |
| 16H7 | Toe Jam a | 29 | 40N | 50E | 7700 |

| | | | | | |
|-----------------------|------------------|----|-----|-----|------|
| EASTERN NEVADA | | | | | |
| 14L1 | Baker #1 | 29 | 13N | 69E | 7950 |
| 14L2 | Baker #2 | 30 | 13N | 69E | 8950 |
| 14L3 | Baker #3 | 25 | 13N | 68E | 9250 |
| 14K2 | Berry Creek | 26 | 17N | 65E | 9100 |
| 14K1 | Bird Creek | 34 | 19N | 65E | 7500 |
| 15J15 | Hole-In-Mountain | 6 | 35N | 61E | 7900 |
| 14K8 | Kalamazoo Creek | 34 | 20N | 65E | 7400 |
| 14K3 | Murray Summit | 25 | 16N | 62E | 7250 |
| 15K1 | Robinson Summit | 34 | 18N | 61E | 7600 |
| 14K7 | Silver Creek #2 | 30 | 16N | 69E | 8000 |
| 14K5 | Ward Mountain #2 | 25 | 15N | 62E | 8900 |

| | | | | | |
|----------------------------|-------------------------|----|-----|-----|-------|
| CENTRAL GREAT BASIN | | | | | |
| 18M2 | Campito Mountain (Cal.) | 19 | 5S | 35E | 10200 |
| 18M5a | Chiatovich Flat | 32 | 2S | 34E | 10500 |
| 15N2 | Clark Canyon | 8 | 19S | 56E | 9000 |
| 18M1 | Montgomery Pass | 4 | 1N | 33E | 7100 |
| 18M3a | Pinchot Creek | 28 | 1N | 33E | 9300 |
| 18M4a | Piute Pass (Cal.) | 33 | 4S | 33E | 11700 |
| 15N1 | Trough Springs | 23 | 18S | 55E | 8500 |

| | | | | | |
|-----------------------------|--------------------------|----|-----|-----|------|
| NORTHERN GREAT BASIN | | | | | |
| 19H1 | Bald Mountain | 17 | 45N | 21E | 6720 |
| 20H5 | Barber Creek (Cal.) | 23 | 39N | 16E | 6500 |
| 20H6 | Cedar Pass (Cal.) | 12 | 43N | 14E | 7100 |
| 18G6a | Denio Creek (Oreg.) | 14 | 41S | 34E | 6000 |
| 18H1 | Disaster Peak | 8 | 47N | 34E | 6500 |
| 20H3a | Dismal Swamp (Cal.) | 31 | 48N | 17E | 7000 |
| 20H7 | Eagle Peak (Cal.) | 35 | 40N | 15E | 7200 |
| 19H3 | 49-Mountain | 7 | 42N | 19E | 6000 |
| 19H2 | Hays Canyon | 1 | 39N | 18E | 6400 |
| 19H4a | Little Bally Mountain | 8 | 45N | 19E | 6000 |
| 20H9 | Mt. Bidwell | 6 | 47N | 16E | 7200 |
| 20H10 | North Star | 13 | 47N | 15E | 6200 |
| 17G5a | Oregon Canyon (Oreg.) | 9 | 40S | 40E | 7240 |
| 17H6a | Quinn Ridge | 9 | 47N | 41E | 6300 |
| 20H4 | Reservation Creek (Cal.) | 12 | 46N | 15E | 5900 |
| 18G5a | Trout Creek (Oreg.) | 10 | 41S | 38E | 7800 |

| NUMBER | NAME | SEC. | TWP. | RGE. | ELEV. |
|-------------------|-------------------------|------|------|------|-------|
| LAKE TAHOE | | | | | |
| 20L5 | Echo Summit (Cal.) | 6 | 11N | 18E | 7450 |
| 19L2 | Freel Bench (Cal.) | 36 | 12N | 18E | 7300 |
| 19K6 | Glenbrook #2 | 13 | 14N | 18E | 6900 |
| 19L3M5Z | Hagans Meadow (Cal.) | 36 | 12N | 18E | 8000 |
| 20L4 | Lake Lucille (Cal.) | 28 | 12N | 17E | 8200 |
| 19K4M5TZ | Marlette Lake | 18 | 15N | 19E | 8000 |
| 20L3 | Richardsons #2 (Cal.) | 6 | 12N | 18E | 6500 |
| 20L1 | Rubicon #1 (Cal.) | 6 | 13N | 17E | 8100 |
| 20L2 | Rubicon #2 (Cal.) | 6 | 13N | 17E | 7500 |
| 20K16 | Tahoe City (Cal.) | 6 | 15N | 17E | 6250 |
| 19L1 | Upper Truckee (Cal.) | 21 | 12N | 18E | 6400 |
| 20K17M | Ward Creek (Cal.) | 21 | 15N | 16E | 7000 |
| 20K25TZ | Ward Creek #2 (Cal.) | 21 | 15N | 16E | 6750 |
| 20K27 | Tahoe City Cross (Cal.) | 1 | 15N | 16E | 6750 |

| | | | | | |
|----------------------|---------------------------|----|-----|-----|------|
| TRUCKEE RIVER | | | | | |
| 20K14 | Boca #2 (Cal.) | 28 | 18N | 17E | 5900 |
| 20K22 | Brookway Summit (Cal.) | 3 | 17N | 16E | 7100 |
| 20K21 | Donner Park #2 (Cal.) | 18 | 17N | 16E | 6000 |
| 20K10 | Donner Summit (Cal.) | 25 | 17N | 14E | 6900 |
| 20K7* | Fordyce Lake (Cal.) | 34 | 18N | 13E | 6500 |
| 20K8* | Furnace Flat (Cal.) | 10 | 17N | 13E | 6700 |
| 19L245 | Heavenly Valley (Cal.) | 1 | 12N | 18E | 8850 |
| 20K4M5TPZ | Independence Camp (Cal.) | 34 | 19N | 15E | 7000 |
| 20K3 | Independence Creek (Cal.) | 14 | 19N | 15E | 6500 |
| 20K5 | Independence Lake (Cal.) | 9 | 18N | 15E | 8450 |
| 19K3 | Little Valley | 17 | 16N | 19E | 6300 |
| 19K2 | Mt. Rose | 7 | 17N | 19E | 9000 |
| 19K7 | Mt. Rose Ski Area | 30 | 17N | 19E | 9000 |
| 20K6 | Sage Hen Creek (Cal.) | 7 | 18N | 16E | 6500 |
| 20K19 | Squaw Valley #2 (Cal.) | 6 | 15N | 16E | 7500 |
| 20K13M | Truckee #2 (Cal.) | 22 | 17N | 16E | 6400 |
| 20K2* | Webber Lake (Cal.) | 29 | 19N | 14E | 7000 |
| 20K1* | Webber Peak (Cal.) | 30 | 19N | 14E | 8000 |

| | | | | | |
|---------------------|---------------------------|----|-----|-----|------|
| CARSON RIVER | | | | | |
| 19L5 | Blue Lakes (Cal.) | 30 | 9N | 19E | 8000 |
| 19L4 | Carson Pass, Upper (Cal.) | 22 | 10N | 18E | 8600 |
| 19K5 | Clear Creek | 6 | 14N | 19E | 7300 |
| 19L19a | Ebbetts Pass (Cal.) | 17 | 8N | 20E | 8700 |
| 19L16a | Fish Valley, Upper (Cal.) | 1 | 7N | 22E | 9050 |
| 19L06a | Poison Flat (Cal.) | 25 | 8N | 21E | 7900 |
| 19L18AS | Wet Meadows Lake (Cal.) | 26 | 9N | 19E | 8100 |
| 19L20a | Wolf Creek (Cal.) | 35 | 8N | 20E | 8000 |

| | | | | | |
|---------------------|------------------------|----|----|-----|------|
| WALKER RIVER | | | | | |
| 19L11 | Buckeye Forks (Cal.) | 20 | 4N | 23E | 8500 |
| 19L10 | Buckeye Roughs (Cal.) | 15 | 4N | 23E | 7900 |
| 19L12A | Center Mountain (Cal.) | 4 | 3N | 23E | 9400 |
| 19L8 | Leavitt Meadows (Cal.) | 4 | 5N | 22E | 7200 |
| 19L17a | Lobdell Lake (Cal.) | 20 | 7N | 24E | 9200 |
| 19L7M | Sonora Pass (Cal.) | 1 | 5N | 21E | 8800 |
| 19L23STPZ | Sonora Pass Bridge | 6 | 5N | 22E | 8800 |
| 19M1* | Tioga Pass (Cal.) | 30 | 1N | 25E | 9900 |
| 19L13 | Virginia Lakes (Cal.) | 5 | 2N | 25E | 9500 |
| 19L22MSZ | Virginia Lakes Ridge | 32 | 3N | 25E | 9200 |
| 19L9 | Willow Flat (Cal.) | 21 | 5N | 23E | 8250 |

COLORADO

| | | | | | |
|-----------------------------|-------------------|----|-----|-----|------|
| LOWER COLORADO RIVER | | | | | |
| 15N5 | Kyle Canyon | 27 | 19S | 56E | 8200 |
| 15N4 | Lee Canyon #1 | 10 | 19S | 56E | 8400 |
| 15N3 | Lee Canyon #2 | 9 | 19S | 56E | 9200 |
| 15N8 | Lee Canyon #3 | 10 | 19S | 56E | 8500 |
| 14M1 | Mathew Canyon | 10 | 6S | 70E | 6000 |
| 14M2 | Pine Canyon | 23 | 6S | 69E | 6200 |
| 15N7 | Rainbow Canyon #2 | 6 | 20S | 57E | 8100 |
| 15L1 | White River #1 | 31 | 13N | 59E | 7400 |

LEGEND

NUMBERING SYSTEM (EXAMPLE)

| | |
|---------|---|
| 19K4 | Snow Course Only |
| 19K4S | Snow Course and Snow Pillow |
| 19K4M | Snow Course and Soil Moisture |
| 19K4A | Snow Course and Aerial Marker |
| 19K4P | Snow Course and Storage Precipitation Gage |
| 19K4MA | Snow Course, Soil Moisture and Aerial Marker |
| 19K4MP | Snow Course, Soil Moisture and Precipitation Gage |
| 19K4STZ | Snow Course, Snow Pillow and Temperature Radio Telemetered. |

Lower case letters m, a, p, s, t, z, indicate no snow course, only a Soil Moisture Station, Aerial Marker, Storage Precipitation Gage, Snow Pillow, Temperature, or Radio Telemetered.

*Located on adjacent watershed

STREAMFLOW FORECASTS (Thousand Acre Feet) as of: April 1, 1973

Forecasts are based on snow-water presently stored in the mountain watersheds and the assumption that precipitation will be near average throughout the forecast period. Peak flow forecasts indicate the most probable range for the maximum average 24-hour flow. All overages are for 1953-67 period.

| FORECAST POINT | Forecast Period | Forecast This Year | This Year as Percent of Average | Average + |
|--|-----------------|--------------------|---------------------------------|-----------|
| <u>TRUCKEE RIVER</u> | | | | |
| Little Truckee River above Boca, CA ¹ | April-July | 104 | 128 | 81 |
| Truckee River at Farad, CA ^{1,2} | April-July | 310 | 120 | 258 |
| Lake Tahoe Rise in Feet (From April 1, assuming gates closed) ² | April-July | 1.70 | 122 | 1.39 |
| <u>CARSON RIVER</u> | | | | |
| East Carson near Gardnerville, NV | April-July | 208 | 119 | 175 |
| West Carson at Woodfords, CA | April-July | 58 | 114 | 51 |
| Carson River near Carson City, NV | April-July | 204 | 123 | 166 |
| Carson River at Fort Churchill, NV | April-July | 193 | 129 | 150 |
| <u>WALKER RIVER</u> | | | | |
| East Walker near Bridgeport, CA ¹ | April-Aug. | 75 | 125 | 60 |
| West Walker below Little Walker near Coleville, CA | April-July | 168 | 117 | 143 |
| <u>COLORADO RIVER</u> | | | | |
| Virgin River at Virgin, UT | April-June | 90 | 237 | 38 |
| <u>HUMBOLDT RIVER</u> | | | | |
| Lamoille Creek near Lamoille, NV | April-July | 30 | 120 | 25 |
| South Fork Humboldt near Elko, NV | April-July | 75 | 130 | 58 |
| Marys River above Hot Springs, NV | April-July | 30 | 107 | 28 |
| North Fork Humboldt at Devils Gate, NV | April-July | 28 | 108 | 26 |
| Humboldt River at Palisade, NV | April-July | 209 | 136 | 154 |
| Humboldt River at Comus, NV | April-July | 158 | 144 | 110 |
| Martin Creek near Paradise, NV | April-July | 15 | 107 | 14 |

+ 1953-1967 period.

STREAMFLOW FORECASTS (Thousand Acre Feet) as of: April 1, 1973

| FORECAST POINT | Forecast Period | Forecast This Year | This Year as Percent of Average | Average + |
|--|-----------------|--------------------|---------------------------------|-----------|
| <u>SNAKE RIVER</u> | | | | |
| Owyhee River near Owyhee, NV ¹ | April-July | 72 | 120 | 60 |
| Owyhee River near Gold Creek, NV ¹ | April-July | 21 | 130 | 16 |
| Salmon Falls Creek near San Jacinto, NV | March-July | 77 | 116 | 67 |
| <u>SURPRISE VALLEY</u> | | | | |
| Bidwell Creek near Fort Bidwell, CA | April-July | 12.5 | 109 | 11.5 |
| Mill Creek near Cedarville, CA | April-July | 6.0 | 128 | 4.7 |
| Deep Creek near Cedarville, CA | April-July | 5.0 | 152 | 3.3 |
| Eagle Creek near Eagleville, CA | April-July | 6.0 | 140 | 4.3 |
| <p>¹ Corrected for storage</p> <p>² Forecast issued by Truckee Basin Committee</p> | | | | |

PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

| FORECAST POINT | PEAK FLOW (SECOND FEET) | |
|--|-------------------------|-----------|
| | Forecast Range | Average † |
| Little Truckee River - Inflow to Stampede Reservoir | 1100-1200 | 902 |
| East Fork Carson River near Gardnerville, NV | 1830-2030 | 1724 |
| Carson River near Carson City, NV | 2060-2280 | 1825 |
| Carson River at Fort Churchill, NV | 1880-2080 | 1678 |
| West Walker River below Little Walker near Coleville, CA | 1630-1810 | 1548 |

FORECAST DATE of LOW FLOW VALUES

| FORECAST POINT | Low Flow Value Second/Ft. | Forecast Date Stream Will Recede to Low Flow Value | Average Date of Low Flow Value |
|---|------------------------------|--|-----------------------------------|
| East Carson River near Gardnerville, NV | 200 | 7/28 | 7/23 |

SOIL MOISTURE MEASUREMENTS

| STATION | Profile (Inches) | | Soil Moisture (Inches) | | |
|------------------------------|------------------|----------|------------------------|-----------|-----------|
| | Depth | Capacity | Date | This Year | Average † |
| <u>OWYHEE-HUMBOLDT BASIN</u> | | | | | |
| Bear Creek | 72 | 16.9 | 3/28 | 9.6 | 12.9* |
| Big Bend | 48 | 16.7 | 3/23 | 12.0 | 15.9* |
| Rodeo Flat | 42 | 11.0 | 3/21 | 4.1 | 10.8* |
| Taylor Canyon | 48 | 15.1 | 3/27 | 12.6 | 14.0* |
| <u>TAHOE-TRUCKEE BASIN</u> | | | | | |
| Independence Camp | 34 | 6.1 | No survey | | 5.6* |
| Marlette Lake | 50 | 3.7 | 3/29 | 2.7 | 3.3* |
| <u>WALKER BASIN</u> | | | | | |
| Sonora Pass | 48 | 8.3 | 3/27 | 6.2 | 8.3* |
| Virginia Lakes Ridge | 40 | 5.0 | 3/26 | 2.3 | - |
| * Adjusted average | | | | | |

† 1953-1967 period.

RESERVOIR STORAGE (Thousand Acre Feet) as of April 1, 1973

| Basin or Stream | RESERVOIR | Usable Capacity | Usable Storage | | |
|---|-------------|-----------------|----------------|-----------|----------------------|
| | | | This Year | Last Year | Average [†] |
| Owyhee | Wild Horse | 72 | 61 | 75 | 18 |
| Lower Humboldt | Rye Patch | 179 | 187 | 188 | 84 |
| Colorado | Mohave | 1,810 | 1,679 | 1,686 | 1,695 |
| Colorado | Mead | 27,217 | 19,980 | 17,174 | 16,070 |
| Tahoe | Tahoe | 732 | 542 | 552 | 431 |
| Truckee | Boca | 41 | 32 | 33 | 11 |
| Truckee | Stampede | 220 | 130 | 138 | ** |
| Truckee | Prosser *** | 30 | 10 | 8 | 9* |
| Carson | Lahontan | 314 | 263 | 287 | 217 |
| West Walker | Topaz | 59 | 39 | 50 | 44 |
| East Walker | Bridgeport | 42 | 29 | 42 | 34 |
| <p>* Adjusted average</p> <p>** Storage began August 1, 1969</p> <p>*** Flood control use of 20,000 acre-feet between November 1 and April 10</p> | | | | | |

TOTAL RESERVOIR STORAGE (Thousand Acre Feet)

| MONTH | This Year | Last Year | Average [†] |
|--|-----------|-----------|----------------------|
| October 1 | 867 | 1038 | 656 |
| January 1 | 917 | 1100 | 660 |
| February 1 | 1025 | 1111 | 715 |
| March 1 | 1093 | 1140 | 768 |
| April 1 | 1153 | 1227 | 839 |
| May 1 | | 1232 | 890 |
| <p>The above data developed from Wild Horse, Rye Patch, Tahoe, Boca, Lahontan, Topaz, and Bridgeport Reservoirs in 1,000 Acre-Feet.</p> <p>TOTAL USABLE CAPACITY 1,439</p> | | | |

[†] 1953-1967 period.

SNOW COURSE MEASUREMENTS

| DRAINAGE BASIN and/or SNOW COURSE | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|-------------------|------------------------|---------------------------|------------------------|-----------|
| | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | |
| | | | | Last Year | Average † |
| NAME | | | | | |
| LAKE TAHOE | | | | | |
| Echo Summit (CA) | 4/2 | 99 | 39.0 | 28.0 | 33.8 |
| Freel Bench (CA) | 3/29 | 40 | 15.4 | 3.5 | 9.6 |
| Glenbrook #2 | 3/28 | 38 | 12.7 | 5.7 | 11.1 |
| Hagans Meadow | 3/29 | 60 | 21.9 | 8.5 | 16.4 |
| Heavenly Valley | 3/26 | 79 | 30.2 | 22.4 | - |
| Lake Lucille (CA) | 3/29 | 156 | 63.3 | 51.5 | 56.3 |
| Marlette Lake | 3/28 | 68 | 24.8 | 14.1 | 20.1 |
| Richardsons #2 (CA) | 3/28 | 55 | 19.8 | 10.4 | 14.9 |
| Rubicon #1 (CA) | 3/29 | 138 | 50.0 | 42.9 | 47.2 |
| Rubicon #2 (CA) | 3/29 | 88 | 33.5 | 22.5 | 28.3 |
| Tahoe City (CA) | 3/26 | 39 | 16.1 | 0.0 | 8.1 |
| Tahoe City Alternate (CA) | 3/26 | 40 | 16.2 | 0.0 | - |
| Tahoe City Cross (CA) | 3/28 | 62 | 23.4 | 7.1 | - |
| Upper Truckee (CA) | 3/29 | 33 | 12.6 | 3.5 | 6.8 |
| Ward Creek #2 (CA) | 3/26 | 113 | 46.7 | 34.3 | 42.3 |
| Ward Creek #3 (CA) | 3/26 | 103 | 41.1 | 31.1 | - |
| TRUCKEE RIVER | | | | | |
| Boca #2 (CA) | 3/28 | 19 | 7.0 | 0.0 | 3.7 |
| Brockway Summit (CA) | 3/27 | 64 | 22.8 | 0.0 | 13.4* |
| Donner Park #2 (CA) | 3/28 | 58 | 21.9 | 10.7 | 17.5* |
| Donner Summit (CA) | 3/26 | 114 | 47.5 | 27.1 | 35.1 |
| Fordyce Lake (CA) | 3/26 | 117 | 49.6 | 33.6 | 40.0 |
| Furnace Flat (CA) | 3/26 | 131 | 54.6 | 42.1 | 46.8* |
| Independence Camp (CA) | 3/27 | 68 | 26.1 | 15.2 | 22.0 |
| Independence Creek (CA) | 3/27 | 47 | 17.1 | 4.5 | 12.8 |
| Independence Lake (CA) | 3/27 | 110 | 43.9 | 35.2 | 40.5 |
| Little Valley | 3/30 | 23 | 8.0 | .3 | 6.0* |
| Mount Rose | 3/29 | 100 | 44.1 | 28.8 | 32.4 |
| Mount Rose Ski Area | 3/26 | 108 | 43.7 | 30.3 | - |
| Sage Hen Creek (CA) | 3/27 | 60 | 22.4 | 11.8 | 16.8 |
| Squaw Valley #2 (CA) | 3/27 | 137 | 55.1 | 41.0 | 47.6* |
| Truckee #2 (CA) | 3/29 | 51 | 18.8 | 6.7 | 14.2 |
| Webber Lake | 3/29 | 89 | 35.1 | 24.6 | 31.1 |
| Webber Peak | 3/29 | 122 | 45.1 | 36.7 | 42.5 |
| CARSON RIVER | | | | | |
| Blue Lakes | 3/29 | 115 | 43.0 | 30.3 | 33.0 |
| Carson Pass, Upper (CA) | 3/26 | 100 | 39.8 | 26.6 | 33.7 |
| Clear Creek | 3/30 | 45 | 15.3 | 4.1 | 11.6 |
| Ebbetts Pass (CA) | 3/30 | 129 | 51.6a | 30.5a | - |
| Fish Valley, Upper (CA) | 3/25 | 54 | 21.1a | 0.0a | 15.4* |
| Poison Flat | 3/25 | 54 | 21.1a | 0.0a | 13.9* |
| Wet Meadows Lake (CA) | 3/25 | 92 | 35.9a | 15.8a | - |

† 1953-1967 period.

SNOW COURSE MEASUREMENTS

| SNOW COURSE MEASUREMENTS | | THIS YEAR | | | PAST RECORD | |
|-----------------------------------|--|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | |
| NAME | | | | | Last Year | Average † |
| CARSON RIVER (CONTINUED) | | | | | | |
| Wet Meadows #2 (CA) | | 3/29 | 111 | 43.1 | - | - |
| Wolf Creek (CA) | | 3/25 | 108 | 43.2a | 20.6a | - |
| WALKER RIVER | | | | | | |
| Buckeye Forks (CA) | | 3/29 | 81 | 27.5 | 14.2 | 19.0 |
| Buckeye Roughs (CA) | | 3/29 | 65 | 23.3 | 7.4 | 17.8 |
| Center Mountain | | 3/28 | 109 | 40.2 | 25.7 | 34.6 |
| Leavitt Meadow (CA) | | 3/27 | 39 | 13.9 | 0.0 | 6.4* |
| Lobdell Lake | | 3/25 | 62 | 23.6a | 6.6a | - |
| Sonora Pass (CA) | | 3/27 | 79 | 32.0 | 17.6 | 22.6 |
| Tioga Pass (CA) | | 3/28 | 80 | 27.7 | 21.0 | 23.3 |
| Virginia Lakes (CA) | | 3/26 | 57 | 21.9 | 9.4 | - |
| Virginia Lakes Ridge (CA) | | 3/26 | 60 | 21.9 | 12.2 | - |
| Willow Flat (CA) | | 3/28 | 52 | 17.4 | 0.0 | 9.5 |
| NORTHERN GREAT BASIN | | | | | | |
| Bald Mountain | | 3/29 | 16 | 5.2 | 0.0 | 2.5 |
| Barber Creek (CA) | | 3/29 | 42 | 14.4 | 12.1 | 10.3* |
| Cedar Pass (CA) | | 3/30 | 56 | 19.0 | 21.6 | 15.0 |
| Denio Creek (OR) | | 4/3 | 0 | 0.0a | 0.0a | 0.0* |
| Disaster Peak | | 3/26 | 35 | 12.1 | 13.5 | 9.5 |
| Dismal Swamp (CA) | | 3/29 | 59 | 18.9 | 21.6a | 17.6* |
| Eagle Peak (CA) | | 4/2 | 61 | 16.2 | 21.1 | 14.2 |
| 49 Mountain | | 3/29 | 16 | 5.3 | 0.0 | 2.6* |
| Hays Canyon | | 3/29 | 21 | 6.4 | 0.0 | 2.9* |
| Little Bally Mountain | | 3/29 | 12 | 3.4 | 0.0 | 1.5* |
| Mt. Bidwell | | 3/28 | 71 | 25.8 | 34.2 | - |
| North Star | | 3/28 | 47 | 16.3 | - | - |
| Oregon Canyon (OR) | | 4/3 | 30 | 10.5a | 1.1a | 4.4* |
| Quinn Ridge | | 3/30 | 0 | 0.0 | 0.0a | 0.8* |
| Reservation Creek (CA) | | 3/28 | 33 | 11.2 | 11.2 | 10.3* |
| Trout Creek (OR) | | 4/3 | 45 | 15.7a | 4.6a | 7.9* |
| SNAKE RIVER | | | | | | |
| Bear Creek | | 3/30 | 73 | 22.8 | 25.1 | 19.1 |
| Fox Creek | | 3/30 | 39 | 11.7 | 8.2 | 8.9* |
| Goat Creek | | 3/30 | 67 | 20.2 | 21.7 | 18.3* |
| Hummingbird Springs | | 3/30 | 77 | 24.2 | 31.4 | 22.0* |
| Merritt Mountain | | 3/24 | 18 | 5.4a | 5.2a | - |
| Pole Creek Ranger Station | | 3/30 | 74 | 23.4 | 25.9 | 19.7* |
| Red Point | | 3/30 | 49 | 14.7 | 13.1 | 10.2* |
| 76 Creek | | 3/30 | 37 | 12.1 | 16.5 | 10.9* |
| Stag Mountain | | 3/24 | 28 | 8.7a | 0.0a | - |

† 1953-1967 period.

SNOW COURSE MEASUREMENTS

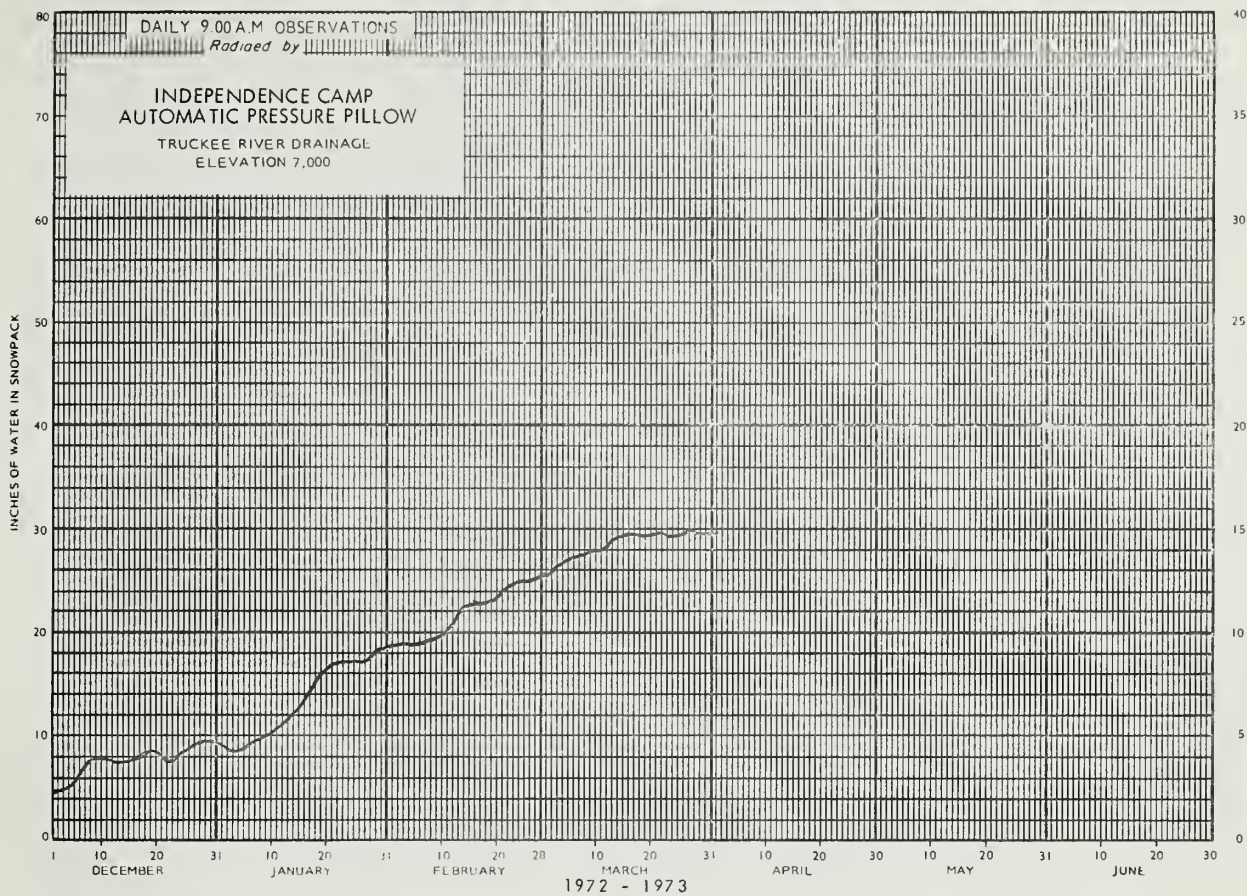
| SNOW COURSE MEASUREMENTS | | THIS YEAR | | PAST RECORD | | |
|-----------------------------------|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | |
| NAME | | | | | Last Year | Average † |
| OWYHEE RIVER | | | | | | |
| Big Bend | 3/23 | 33 | 8.4 | 10.3 | 8.1 | |
| Columbia Basin | 3/24 | 36 | 11.9a | 3.4a | - | |
| Fawn Creek | 3/24 | 40 | 13.2a | 0.0a | - | |
| Gold Creek | 3/23 | 19 | 5.3 | 3.7 | 4.7 | |
| Jack Creek, Lower | 3/28 | 14 | 4.0 | 0.0 | 2.8 | |
| Jack Creek, Upper | 3/28 | 36 | 11.7 | 9.7 | 9.8 | |
| Jacks Peak | 3/28 | 76 | 25.4 | 33.9 | 25.7* | |
| Laurel Draw | 3/29 | 27 | 8.7 | 6.0 | 7.2* | |
| Louse Canyon (OR) | 3/30 | 12 | 3.4a | 0.0a | 1.6* | |
| Taylor Canyon | 3/27 | 20 | 7.0 | 0.0 | 2.9 | |
| UPPER HUMBOLDT RIVER | | | | | | |
| American Beauty | 3/24 | 52 | 17.2a | 5.6a | - | |
| Corral Canyon | 3/28 | 77 | 24.0 | 13.8 | 17.7 | |
| Dorsey Basin | 3/19 | 40 | 12.9 | 11.6 | 12.2 | |
| Dry Creek | 3/19 | 8 | 2.6 | 0.0 | 2.2 | |
| Fry Canyon | 3/21 | 25 | 8.5 | 2.6 | 6.3 | |
| Green Mountain | 3/26 | 62 | 18.5 | 6.5 | 12.7 | |
| Harrison Pass #1 | 3/26 | 27 | 7.9 | 0.0 | 2.2 | |
| Harrison Pass #2 | 3/26 | 38 | 11.4 | 0.0 | 4.2 | |
| Lamoille #1 | 3/27 | 45 | 13.4 | 0.1 | 9.0 | |
| Lamoille #2 | 3/27 | 46 | 13.0 | 0.1 | 8.7 | |
| Lamoille #3 | 3/27 | 52 | 15.1 | 7.6 | 11.8 | |
| Lamoille #4 | 3/27 | 74 | 24.0 | 15.9 | 17.9 | |
| Lamoille #5 | 3/27 | 81 | 25.6 | 32.4 | 26.5 | |
| Pole Canyon | 3/24 | 60 | 19.8a | 9.8a | - | |
| Robinson Lake | 3/24 | 130 | 42.9a | 37.7a | - | |
| Rodeo Flat | 3/21 | 23 | 7.7 | 3.0 | 5.8 | |
| Ryan Ranch | 3/19 | 0 | 0.0 | 0.0 | 0.4 | |
| Tent Mountain | 3/24 | 88 | 29.0a | | | |
| Tremewan Ranch | 3/23 | 0 | 0.0 | 0.0 | 0.0 | |
| Trout Creek, Lower | 3/20 | 17 | 5.6 | 0.0 | 2.4 | |
| Trout Creek, Upper | 3/24 | 92 | 30.4a | 23.4 | 20.6 | |
| LOWER HUMBOLDT RIVER | | | | | | |
| Big Creek Campground | 4/3 | 25 | 9.3 | 0.1 | 0.3 | |
| Big Creek Mine | 4/3 | 42 | 13.3 | 0.7 | 2.8* | |
| Big Creek, Upper | 4/3 | 57 | 17.7 | 2.0 | 6.1* | |
| Buckskin, Lower | 3/27 | 28 | 8.3 | 3.9 | 7.0 | |
| Buckskin, Upper | 3/27 | 37 | 12.0 | 13.3 | 9.2 | |
| Corral, Lower | No survey | | | 0.0 | 0.5* | |
| Corral, Upper | No survey | | | 0.0 | 2.1* | |
| Golconda #2 | 3/29 | 13 | 4.2 | 0.1 | 2.7* | |
| Granite Peak | 3/28 | 52 | 15.8 | 18.1 | 12.6* | |
| Lamance Creek | 3/28 | 24 | 7.8 | 0.1 | 7.0* | |
| Martin Creek | 3/27 | 34 | 9.3 | 0.1 | 8.2 | |
| Midas | 3/29 | 17 | 4.9 | 0.1 | 1.6* | |
| Toe Jam | 3/24 | 43 | 14.2a | 3.4a | - | |

† 1953-1967 period.

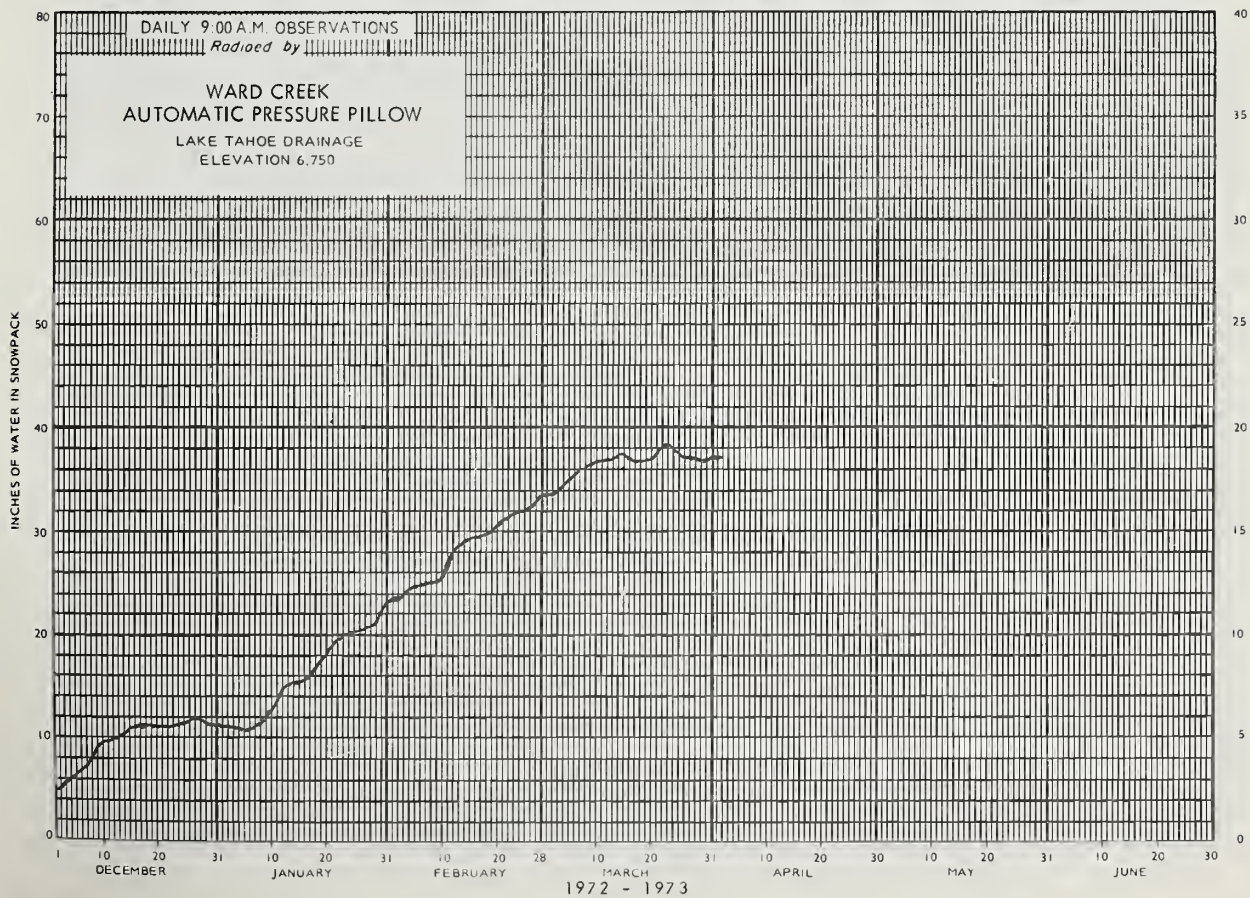
SNOW COURSE MEASUREMENTS

| SNOW COURSE MEASUREMENTS | | THIS YEAR | | PAST RECORD | | |
|---|-----------|----------------|---------------------|------------------------|------------------------|-----------|
| DRAINAGE BASIN and/or SNOW COURSE | | Date of Survey | Snow Depth (Inches) | Water Content (Inches) | Water Content (inches) | |
| NAME | | | | | Last Year | Average † |
| EASTERN NEVADA | | | | | | |
| Baker #1 | 3/27 | 38 | 9.1 | 0.1 | 5.3 | |
| Baker #2 | 3/27 | 63 | 17.4 | 10.6 | 13.9 | |
| Baker #3 | 3/29 | 78 | 21.8a | 8.4 | 16.0 | |
| Berry Creek | 4/3 | 80 | 21.9 | 15.0 | 14.1 | |
| Bird Creek | 4/3 | 25 | 6.1 | 0.0 | 2.2 | |
| Hole-in-Mountain | 3/20 | 55 | 18.3 | 30.3 | 21.8* | |
| Kalamazoo Creek | 4/3 | 47 | 13.4 | 0.0 | 5.4* | |
| McCoy Creek | No survey | | | 0.0 | - | |
| Mt. Defiance | 3/29 | 85 | 24.6a | 13.7a | - | |
| Murray Summit | 3/26 | 31 | 7.5 | 0.0 | 1.4 | |
| Robinson Summit | 3/26 | 19 | 4.1 | 0.0 | 0.7 | |
| Silver Creek #2 | 3/26 | 53 | 11.2a | 0.0 | 5.4* | |
| Ward Mountain #2 | 3/29 | 52 | 13.8a | 0.0 | 13.2* | |
| White River #1 | Delayed | | | 0.0 | 1.0* | |
| CENTRAL GREAT BASIN | | | | | | |
| Campito Mountain (CA) | 3/28 | 38 | 7.1 | 0.0 | 5.0* | |
| Chiatovich Flat | 3/25 | 7 | 2.1a | 0.0a | - | |
| Clark Canyon | 3/27 | 75 | 17.7 | 0.0 | 5.6 | |
| Montgomery Pass | 3/30 | 7 | 1.7 | 0.0 | 0.4* | |
| Pinchot Creek | 3/25 | 6 | 2.1a | 0.0a | 4.7* | |
| Piute Pass (CA) | 3/25 | 3 | 1.0a | 0.0a | 6.9* | |
| Trough Springs | 3/28 | 72 | 17.7 | 0.1 | 3.8 | |
| LOWER COLORADO RIVER | | | | | | |
| Kyle Canyon | 3/30 | 72 | 20.2 | 0.6 | 6.2 | |
| Lee Canyon #2 | 3/30 | 76 | 22.1 | 1.2 | 6.8 | |
| Lee Canyon #3 | 3/30 | 62 | 17.6 | 0.0 | 5.1* | |
| Mathew Canyon | 4/2 | 14 | 4.9 | 0.0 | 0.2 | |
| Pine Canyon | Est. | 16 | 5.0 | 0.0 | 0.2 | |
| Rainbow Canyon #2 | 3/30 | 97 | 28.1 | 7.7 | 12.6 | |
| NOTE: AR averages based on 1953-67, 15 year period. Forecast period in April 1 through July 31 unless otherwise noted. a-Aerial marker; water content estimated. * 1953-67 adjusted average. | | | | | | |

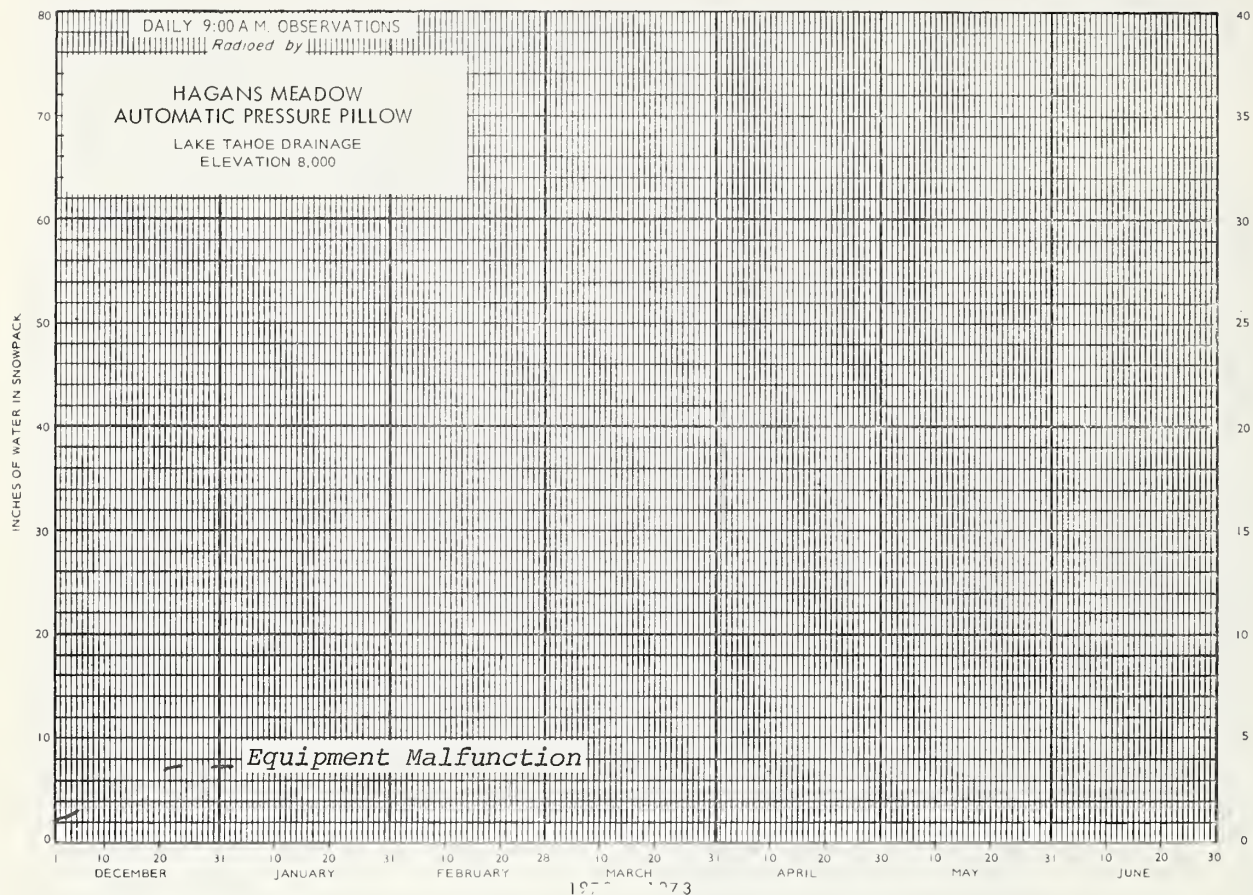
U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



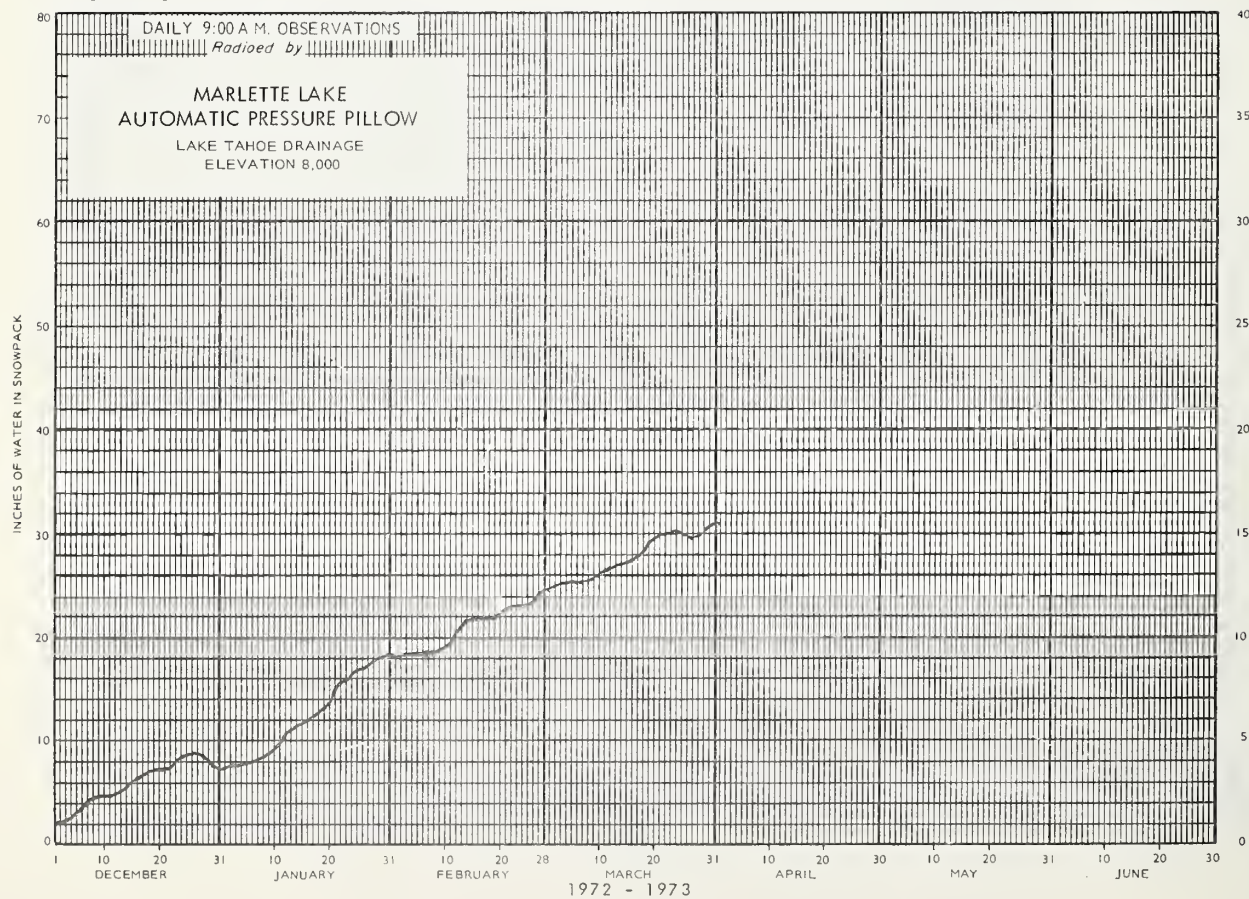
U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION



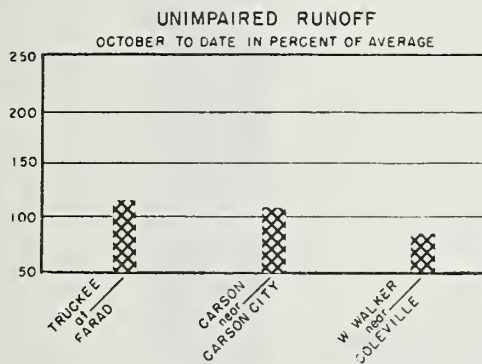
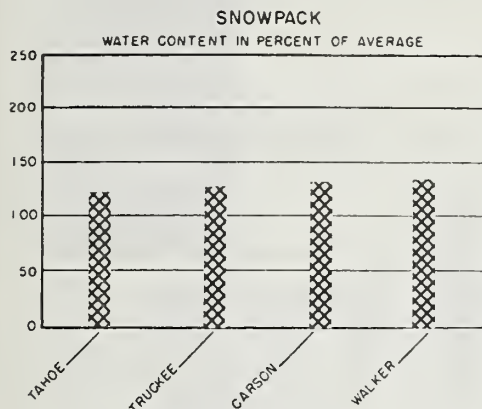
U.S.D.A. SOIL CONSERVATION SERVICE DAILY RADIO REPORTS BY AUTOMATIC SNOW MEASURING STATION





WATER SUPPLY OUTLOOK

FOR THE SOIL CONSERVATION DISTRICTS IN THE TRUCKEE, CARSON and WALKER WATERSHEDS



APRIL 1, 1973

THE WATER SUPPLY OUTLOOK FOR THE TRUCKEE, CARSON AND WALKER RIVER WATERSHEDS IS VERY GOOD.

SNOW COVER ranges from 121 percent of average on the Lake Tahoe drainage to 135 percent in the Walker River watershed. The Truckee and Carson Rivers are similar, with 122 and 130 percent of normal snow cover, respectively.

WATERSHED SOILS range from 74 to 80 percent.

RESERVOIR STORAGE remains excellent, with 129 percent of average storage in the Truckee River drainage, 121 percent in Lahontan Reservoir on the Carson River, and 87 percent stored in Topaz and Bridgeport Reservoirs on the Walker River.

STREAMFLOW FORECASTS for the April-July period are for above average flows throughout the area, with most forecasts 15 to 20 percent above average.

STREAMFLOW FORECASTS (1000 Ac. Ft.) April-July SUMMARY of SNOW MEASUREMENTS

| FORECAST POINT | FORECAST | % of Average | Average ⁺ |
|--|----------|--------------|----------------------|
| Little Truckee above Boca, CA | 104 | 128 | 81 |
| Truckee at Farad, CA | 310 | 120 | 258 |
| Lake Tahoe Rise (assuming gates closed) | 1.70 | 122 | 1.39 |
| East Carson near Gardnerville, NV | 208 | 119 | 175 |
| West Carson at Woodfords, CA | 58 | 114 | 51 |
| Carson River near Carson City, NV | 204 | 123 | 166 |
| Carson River near Fort Churchill, NV | 193 | 129 | 150 |
| East Walker near Bridgeport, CA | 75 | 125 | 60 |
| West Walker below Little Walker near Coleville, CA | 168 | 117 | 143 |

| WATERSHED | This Years Snow as % of Average ⁺ |
|-----------|--|
| Tahoe | 121 |
| Truckee | 122 |
| Carson | 130 |
| Walker | 135 |

RESERVOIR STORAGE (Thousand Acre Feet)

| RESERVOIR | Capacity | This Year | Average ⁺ |
|------------|----------|-----------|----------------------|
| Tahoe | 732 | 542 | 431 |
| Boca | 41 | 32 | 11 |
| Prosser | 30 | 10 | 9* |
| Lahontan | 314 | 263 | 217 |
| Topaz | 59 | 39 | 44 |
| Bridgeport | 42 | 29 | 34 |

* Adjusted average

SUMMARY of SOIL MOISTURE

| RIVER BASIN | This Years Moisture as % of Average ⁺ |
|-------------|--|
| Truckee | 80 |
| Carson | 77 |
| Walker | 74 |

FORECAST DATE of LOW FLOW VALUES

| FORECAST POINT | Low Flow Value Second/Fc. | Forecast Date Stream Will Recede to Low Flow Value | Average Date of Low Flow Value |
|-----------------------------------|---------------------------|--|--------------------------------|
| East Carson near Gardnerville, NV | 200 | 7/28 | 7/23 |

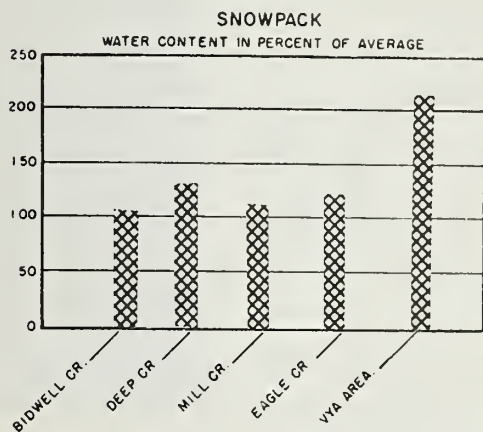
PEAK FLOWS (MAXIMUM MEAN DAILY) (Av. flow for 24 hrs. on day of greatest flow)

| FORECAST POINT | PEAK FLOW (SECOND FEET) | |
|--|-------------------------|----------------------|
| | Forecast Range | Average ⁺ |
| Little Truckee River - Inflow to Stampede | 1100-1200 | 902 |
| East Fork Carson near Gardnerville, NV | 1830-2030 | 1724 |
| Carson River near Carson City, NV | 2060-2280 | 1825 |
| Carson River at Fort Churchill, NV | 1880-2080 | 1678 |
| West Walker below Little Walker near Coleville, CA | 1630-1810 | 1548 |

+ 1953-1967 period.

WATER SUPPLY OUTLOOK

FOR THE SOIL CONSERVATION DISTRICTS IN THE
SURPRISE VALLEY, CALIFORNIA,
and NORTHWEST NEVADA



APRIL 1, 1973

THE WATER SUPPLY OUTLOOK FOR THE SURPRISE VALLEY AREA IS ABOVE AVERAGE.

SNOW COVER ranges from 108 percent in the Bishop Creek watershed to above 200 percent in the mountain watershed east of Surprise Valley. The general above average snowpack insures irrigators a good supply this summer and will also produce good moisture conditions for the rangeland in the area.

STREAMFLOW FORECASTS are for generally above average flows for the Surprise Valley area this summer.

STREAMFLOW FORECASTS (1000 Ac. Ft.) April-July SUMMARY of SNOW MEASUREMENTS

| FORECAST POINT | FORE-CAST | % of Average | + Average |
|-------------------------------------|-----------|--------------|--------------|
| Bidwell Creek near Fort Bidwell, CA | 12.5 | 109 | 11.5 |
| Deep Creek above all diversions | 5.0 | 152 | 3.3 |
| Eagle Creek at Eagleville, CA | 6.0 | 140 | 4.3 |
| Mill Creek above all diversions | 6.0 | 128 | 4.7 |

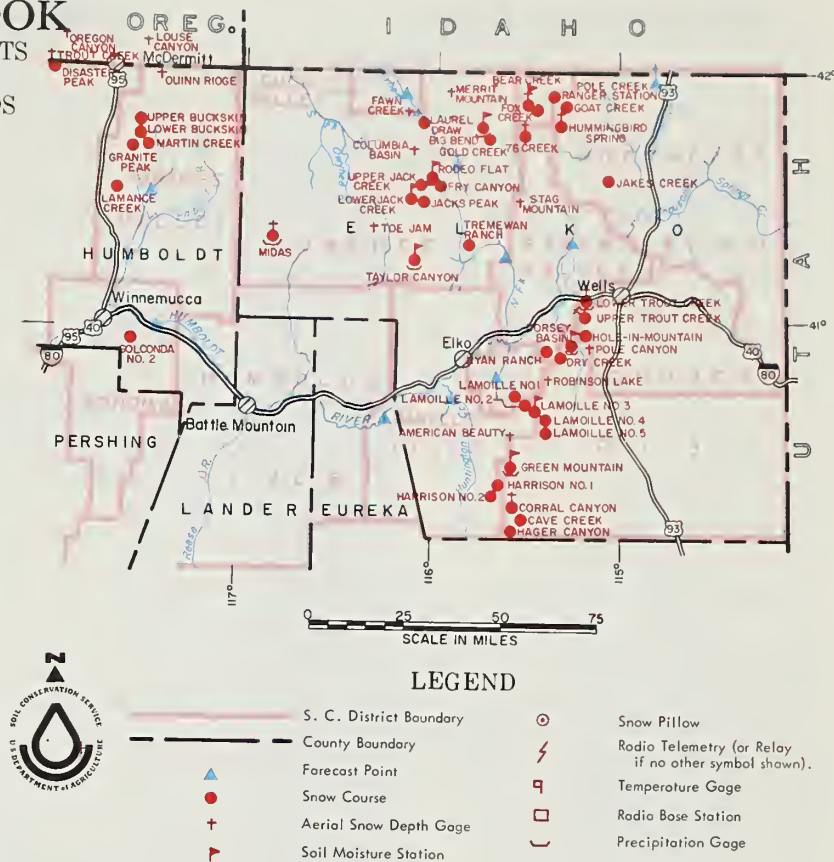
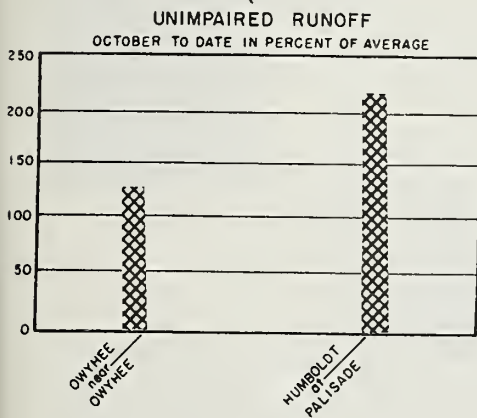
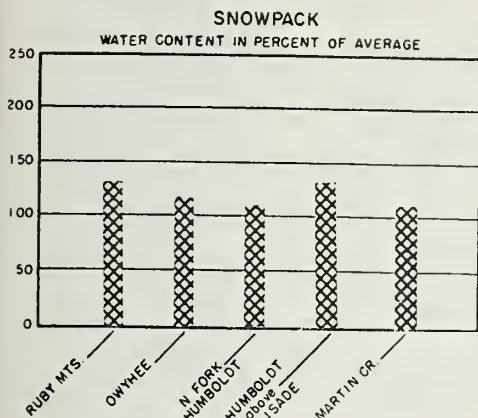
| WATERSHED | This Years Snow as % of Average + |
|---------------|-----------------------------------|
| Bidwell Creek | 108 |
| Deep Creek | 126 |
| Eagle Creek | 124 |
| Mill Creek | 119 |

WATER SUPPLY OUTLOOK

FOR THE SOIL CONSERVATION DISTRICTS

IN THE

HUMBOLDT and OWYHEE WATERSHEDS



APRIL 1, 1973

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE FOR THE OWYHEE AND HUMBOLDT DRAINAGES.

SNOW COVER varies from 109 percent of average on the North Fork of the Humboldt to 135 percent on the South Fork. The Owyhee drainage improved over last month to a 115 percent of average snowpack. Salmon Falls Creek and northeast Nevada currently have a 118 percent of average snowpack.

SOIL MOISTURE is below average in the North Fork area and near average in the Ruby Mountains.

RESERVOIR STORAGE is excellent, with Rye Patch storing above capacity, and Wild Horse nearly full.

STREAMFLOW FORECASTS generally range from 107 to 140 percent of average, with the Humboldt at Palisade forecast to flow 209,000 acre-feet.

Area 3

STREAMFLOW FORECASTS (1000 Ac. Ft.)

| FORECAST POINT. | FORECAST | % of Average | Average [†] |
|---|----------|--------------|----------------------|
| Lamoille Creek near Lamoille, NV | 30 | 120 | 25 |
| South Fork Humboldt near Elko, NV | 75 | 130 | 58 |
| Marys River above Hot Springs, NV | 30 | 107 | 28 |
| North Fork Humboldt at Devils Gate, NV | 28 | 108 | 26 |
| Humboldt River at Palisade, NV | 209 | 136 | 154 |
| Humboldt River at Comus, NV | 158 | 144 | 110 |
| Martin Creek near Paradise, NV | 15 | 107 | 14 |
| Owyhee River near Owyhee, NV | 72 | 120 | 60 |
| Owyhee River near Gold Creek, NV | 21 | 130 | 16 |
| Salmon Falls Creek near San Jacinto, NV (March-July streamflow) | 77 | 116 | 67 |

SUMMARY of SNOW MEASUREMENTS

| WATERSHED | This Years Snow as % of Average [†] |
|------------------------|--|
| Lamoille | 123 |
| South Fork Humboldt | 135 |
| North Fork Humboldt | 109 |
| Owyhee | 115 |
| Lower Humboldt | 128 |
| Martin Creek | 112 |
| Kings and Quinn Rivers | 126 |

SUMMARY of SOIL MOISTURE

| RIVER BASIN | This Years Moisture as % of Average [†] |
|----------------------|--|
| Humboldt, North Fork | 64 |
| Humboldt, South Fork | 90 |

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

| STREAM or AREA | Flow Period | |
|-----------------------|---------------|-------------|
| | Spring Season | Late Season |
| Franklin River | Excellent | Average |
| Kings River | Excellent | Average |
| Little Humboldt River | Average | Average |
| Quinn River | Excellent | Average |

RESERVOIR STORAGE (Thousand Acre Feet)

| RESERVOIR | Capacity | This Year | Average [†] |
|------------|----------|-----------|----------------------|
| Rye Patch | 179 | 187 | 84 |
| Wild Horse | 72 | 61 | 18 |

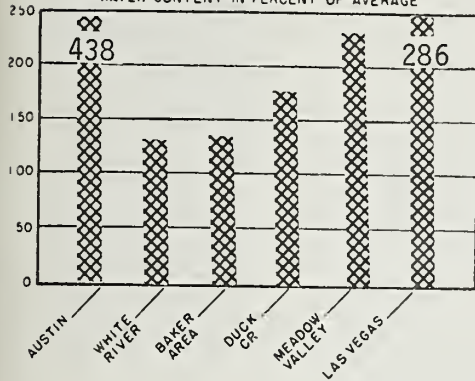
[†] 1953-1967 period.

WATER SUPPLY OUTLOOK

FOR THE SOIL CONSERVATION DISTRICTS IN
EAST CENTRAL and SOUTHERN NEVADA

SNOWPACK

WATER CONTENT IN PERCENT OF AVERAGE



LEGEND

- S. C. District Boundary
- - - County Boundary
- ▲ Forecast Point
- Snow Course
- + Aerial Snow Depth Gage
- Soil Moisture Station
- Snow Pillow
- ⚡ Radio Telemetry (or Relay if no other symbol shown)
- Ⓜ Temperature Gage
- Radio Base Station
- ⌋ Precipitation Gage

25 0 25 50 75 100
SCALE IN MILES

APRIL 1, 1973

THE WATER SUPPLY OUTLOOK IS EXCELLENT THROUGHOUT CENTRAL AND SOUTHERN NEVADA.

SNOW COVER is much above average throughout the mountain watersheds in central and southern Nevada. As an example, this year's snowpack on Mt. Charleston has been exceeded only twice since records began in 1941. The Big Creek area above Austin set new, all-time record depths this year. Snowmelt has been delayed by continuing snowstorms during March. Usually, the snowpack in this area melts considerably during March, leaving only the high elevation snowfields.

STREAMFLOW this year will be delayed by the late spring and will produce above average supplies until late summer. Duck Creek and tributary streams to Spring Valley in eastern Nevada will provide excellent irrigation supplies this summer. The Virgin River is forecast to flow 237 percent of average.

STREAMFLOW FORECASTS (1000 Ac. Ft.) April-June

| FORECAST POINT | FORE-CAST | % of Average | Average ⁺ |
|----------------|-----------|--------------|----------------------|
|----------------|-----------|--------------|----------------------|

| | | | |
|----------------------------|----|-----|----|
| Virgin River at Virgin, UT | 90 | 237 | 38 |
|----------------------------|----|-----|----|

SUMMARY of SNOW MEASUREMENTS

| WATERSHED | This Years Snow as % of Average ⁺ |
|-----------|--|
|-----------|--|

| | |
|---------------------|-----|
| Duck Creek | 171 |
| Fish Lake Valley | 162 |
| Meadow Valley Wash | 245 |
| Mt. Charleston Area | 286 |
| Reese River | 438 |

RESERVOIR STORAGE (Thousand Acre Feet)

| RESERVOIR | Capacity | This Year | Average ⁺ |
|-----------|----------|-----------|----------------------|
|-----------|----------|-----------|----------------------|

| | | | |
|--------|--------|--------|--------|
| Mohave | 1,810 | 1,679 | 1,695 |
| Mead | 27,217 | 19,980 | 16,070 |

WATER SUPPLY OUTLOOK

Expressed as "Poor, Fair, Average, Excellent" With Respect to Usual Supply.

| STREAM or AREA | Flow Period | |
|----------------|---------------|-------------|
| | Spring Season | Late Season |

| | | |
|--------------------|-----------|---------|
| Baker Creek | Excellent | Average |
| Duck Creek | Excellent | Average |
| Silver Creek | Excellent | Average |
| Meadow Valley Wash | Excellent | Average |
| White River | Excellent | Average |
| Reese River | Excellent | Average |

Agencies Cooperating in Collecting Data Contained in this Bulletin

FEDERAL

- Agricultural Research Service
- Bureau of Reclamation
- Fish and Wildlife Service
- Forest Service
- Geological Survey
- Navy
- Soil Conservation Service
- U. S. District Court - Federal Water Master
- NOAA, National Weather Service

STATE

- California Cooperative Snow Surveys
- California Department of Parks and Recreation
- California Department of Water Resources
- Colorado River Commission of Nevada
- Idaho Cooperative Snow Surveys
- Nevada Association of Conservation Districts
- Nevada Department of Conservation & Natural Resources
 - Division of Water Resources
 - Nevada State Forester
- Oregon Cooperative Snow Surveys
- Utah Cooperative Snow Surveys
- White Mountain Research Station, Univ. of California

PRIVATE

- Amalgamated Sugar Company
- Kennecott Copper Corporation
- Nevada Irrigation District
- Owyhee Project North Board of Control
- Owyhee Project South Board of Control
- Pacific Gas and Electric Company
- Pershing County Water Conservation District
- Sierra Pacific Power Company
- Truckee-Corson Irrigation District
- Walker River Irrigation District
- Washoe County Water Conservancy District

Other organizations and individuals furnish valuable information for the snow survey reports. Their Cooperation is gratefully acknowledged.

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